

Memorandum



Date: February 11, 2014

To: Honorable Chairwoman Rebeca Sosa and Members
Board of County Commissioners

From: Carlos A. Gimenez
Mayor

A handwritten signature in black ink, appearing to read "Carlos A. Gimenez", written over a horizontal line.

Subject: Advertisement of Solicitations for the Miami-Dade Water and Sewer Department

As you know, I have committed to the Board of County Commissioners (Board) that I will advise you of any significant Water and Sewer projects prior to advertisement to ensure complete and total transparency in the process. As I previously informed the Board, the selection of the Program Management/Construction Management (PM/CM) consultant for the Federally-mandated consent decree work has been delayed. To date, we have conducted all evaluation meetings and are in the process of negotiating a contract for Board consideration. The schedules for some of the mandated deliverables under the consent decree agreement are of concern, particularly for design work that was to start as of October 1, 2013; and other Capacity Management Operation and Maintenance (CMOM) deliverables. The original procurement strategy was to complete procurement of the PM/CM consultant prior to soliciting the three design contracts to enable as much competition as possible because firms awarded the PM/CM contract cannot compete on these design contracts. Because of the unforeseeable delays, it is now necessary to take a dual approach and advertise time-sensitive design contracts mentioned below.

I have directed the Water and Sewer Department to provide my office with an aggressive revised schedule to make up for the unforeseen delay. The Water and Sewer Department (WASD) has worked to bridge the gap utilizing existing Renewal and Replacement consultants and its own in-house staff to initiate design work, but there is a need to immediately procure the design consulting services for the following consent decree related work: Wastewater Treatment Plants, valued at \$60 million (E13-WASD-05); Wastewater Collection and Transmission Systems, valued at \$40 million (E13-WASD-04); and Capacity Management, Operation and Maintenance (CMOM), valued at \$15 million (E13-WASD-06). As you know, the consent decree schedule runs over a 15 year period, so these contracts will be multi-year contracts with appropriate renewal provisions. All solicitations will be issued under full and open competitive basis in accordance with the Florida Statutes Competitive Consultant Negotiations Act (CCNA), and County Ordinance 2-10.4. The draft solicitations have been timely and properly posted on ISD's webpage at <http://www.miamidade.gov/procurement/solicitations.asp> and the Division of Small Business Development webpage at <http://www.miamidade.gov/business/business-certifications-programs-CBE.asp#1> since Jan 10th for industry review and comment prior to advertisement. In addition, a monthly report on the status of the water and sewer infrastructure projects is sent to the Infrastructure and Capital Improvements Committee.

The Request to Advertise documents for the above referenced projects are also attached for your information. Our intent is to advertise these projects while the County proceeds towards the award of the PM/CM contract. The advertisement of the solicitation document will allow us to expedite the procurement process while also benefiting firms by allowing them to take initial steps to prepare for the project. We will take the necessary steps to ensure that any deadlines (Comments, Questions or Proposal Due Date) in the solicitation take place after the Board has taken action on the PM/CM award. Once the proposals are reviewed and evaluated, recommendations for award will be presented to the Board.

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Honorable Chairwoman Rebeca Sosa and Members
Board of County Commissioners

I appreciate your support as we proceed to address these critical infrastructure issues that have severe penalty fees for non-compliance. Time is of the essence with these solicitations and continuing to hold their advertisements until the consent decree PM/CM Consultant is awarded is not an option. Beginning this design work is critical to our economic recovery, future growth and compliance with regulatory mandates.

Should you have any questions, please feel free to contact WASD Director John W. Renfrow at 786-552-8086 or me directly at 305-375-1880.

Attachments

c: R. A. Cuevas Jr., County Attorney
Alina T. Hudak, Deputy Mayor and Interim Director of Public Works and Waste Management
Jack Osterholt, Deputy Mayor and Interim Director of Regulatory and Economic Resources
Lester Sola, Director, Internal Services Department
John W. Renfrow, Director, Water and Sewer Department

Memorandum



Date: January 30, 2014

To: Carlos A. Gimenez
County Mayor

From: John W. Renfrow, P.E.
Director
Water and Sewer

A handwritten signature in cursive script, reading "John W. Renfrow".

Subject: Request to Advertise for Design Services for Wastewater Collection and Transmission Systems related to Consent Decree Projects - Project No. E13-WASD-04

Recommendation

This request to advertise for a Non-Exclusive Professional Services Agreement for Design Services for Wastewater Collection and Transmission Systems related to Consent Decree Projects has been prepared by the Water and Sewer Department (WASD) and is recommended for approval pursuant to Section 2-8.1 of the Code of Miami-Dade County.

Scope

PROJECT NAME: Design Services for Wastewater Collection and Transmission Systems related to Consent Decree Projects

PROJECT NO: E13-WASD-04

CONTRACT NO: E13-WASD-04

PROJECT DESCRIPTION: WASD is the primary provider of water and wastewater services to Miami-Dade County serving a population of almost 2.3 million, making it among the largest water/wastewater utilities in the United States. At the May 21, 2013, Board of County Commissioners meeting, the Board approved the Consent Decree (CD) negotiated with the United States Environmental Protection Agency (EPA), the United States Department of Justice (DOJ) and the State of Florida Department of Environmental Protection (FDEP). The CD outlines the activities to be undertaken to reduce Sanitary Sewer Overflows (SSO's), exceedances of treated effluent limitations, and to ensure proper management, operation and maintenance practices. All CD capital improvement projects must be completed on or before fifteen (15) years from the date of lodging (June 6, 2013) of the CD with the United States District Court. Many program requirements are required to be delivered within a certain time after the CD's "effective date", which is defined as the date the Court enters the CD or six (6) months after the date of lodging, whichever occurs first. WASD recognizes the need for design services of the wastewater collection and transmission system as part of the capital improvement program. The Consultant shall be familiar with

and comply with the requirements of the CD, which is available for review at WASD's website at:
<http://www.miamidade.gov/water/wastewater-improvement-projects.asp>.

The services required by the Consultant will include, but are not limited to: preliminary design, design, permitting and bid services, and design services during construction for upgrades to the wastewater collection and transmission systems (WCTS). The Consultant shall ensure that the design of the capital improvements are technically, economically, and functionally consistent and are implemented in a manner that meets the specific deadlines and milestones of the CD and the requirements of the Clean Water Act, WASD's National Pollutant Discharge Elimination System Permits, FDEP regulations, and any additional applicable regulatory requirements. The scope of services will include, but are not limited to, the following:

1. Develop the Basis of Design Reports (BODR) for the CD capital program of the WCTS, while taking into account all project alternatives using life cycle cost analysis and identifying and recommending mitigation options to deal with future sea level rise and storm surge.
2. Conduct and/or coordinate underground utility and sub-surface investigations in support of the BODRs.
3. Based on the Department's approved BODR and delivery method (i.e. Design-Bid-Build, Design-Build), the Consultant will prepare the required bid documents.
4. Assist WASD in evaluating procurement methods for equipment.
5. Attain all applicable permits as necessary depending on the delivery method selected.
6. Assist WASD in the bid process, including responding to request for information, reviewing bids and making recommendation for award.
7. Provide design services during construction including but not limited to; reviewing and responding to all contractor submittals, review and respond to all contractor claims, review and respond to requests for information, and review of final certification documents provided by the contractor(s).

Services may also include providing wastewater hydraulic computer modeling series required by the CD, including model updates and calibration, as required in support of the Pump Station Improvement Program using WASD Infoworks CS Model. This requires the Consultant to have license(s) of Infoworks CS Hydraulic Software, (latest version) and be proficient with its use on large wastewater transmission and gravity networks.

PROJECT LOCATION: Throughout Miami-Dade County
PRIMARY COMMISSION DISTRICT: Various Districts
APPROVAL PATH: Mayor's Authority
ISD A&E PROJECT NUMBER: E13-WASD-04
USING DEPARTMENT: Water and Sewer
MANAGING DEPARTMENT: Water and Sewer

Fiscal Impact / Funding Source

FUNDING SOURCE: Wastewater Renewal Fund
 Future WASD Revenue Bonds
 WASD 2013 Revenue Bond
 WASD Revenue Bonds Sold
 Wastewater Connection Charges 40,919

PTP FUNDING: No

GOB FUNDING: No

ARRA FUNDING: No

CAPITAL BUDGET PROJECT:	CAPITAL BUDGET PROJECT # - DESCRIPTION	<u>RTA ESTIMATE</u>
	968150- WASTEWATER COLLECTION AND TRANSMISSION LINES - CONSENT	\$44,000,000.00
	Book Page:123: Adopted Capital Budget Book Funding Year: Fiscal Year 2013-2019	

PROJECT TECHNICAL CERTIFICATION REQUIREMENTS:	<u>TYPE CODE DESCRIPTION</u>
	Prime 6.01 WATER AND SANITARY SEWER SYSTEMS - WATER DISTRIBUTION AND SANITARY SEWAGE COLLECTION AND TRANSMISSION SYSTEMS
	Prime 6.02 WATER AND SANITARY SEWER SYSTEMS - MAJOR WATER AND SANITARY

		SEWAGE PUMPING FACILITIES
Other	9.01	SOILS, FOUNDATIONS AND MATERIALS TESTING - DRILLING, SUBSURFACE INVESTIGATIONS AND SEISMOGRAPHIC SERVICES
Other	9.02	SOILS, FOUNDATIONS AND MATERIALS TESTING - GEOTECHNICAL AND MATERIALS ENGINEERING SERVICES
Other	9.04	SOILS, FOUNDATIONS AND MATERIALS TESTING - NON- DESTRUCTIVE TESTING AND INSPECTIONS
Other	10.05	ENVIRONMENTAL ENGINEERING - CONTAMINATION ASSESSMENT AND MONITORING
Other	11.00	GENERAL STRUCTURAL ENGINEERING
Other	12.00	GENERAL MECHANICAL ENGINEERING
Other	13.00	GENERAL ELECTRICAL ENGINEERING
Other	15.01	SURVEYING AND MAPPING - LAND SURVEYING
Other	16.00	GENERAL CIVIL ENGINEERING

**SUSTAINABLE
BUILDINGS
ORDINANCE:**
(I.O NO. 8-8)

Does the project qualify for compliance with the Sustainable Buildings Ordinance? NO

**TOTAL
ESTIMATED
CONTRACT
PERIOD:**

1825 Calendar Days.

Excludes Warranty Administration Period

**IG FEE
INCLUDED IN
BASE
CONTRACT:**

Yes

**ART IN PUBLIC
PLACES:**

No

BASE ESTIMATE: \$40,000,000.00

OPTION TO EXTEND:	AMOUNT: \$0.00	DAYS: 1825	EXTENSION COMMENT: The County Mayor or the County Mayor's designee has the authority to extend this Professional Services Agreement duration for one (1) five (5) year option-to-renew.
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CONTINGENCY ALLOWANCE (SECTION 2-8.1 MIAMI DADE COUNTY CODE):	TYPE PSA	PERCENT 10%	AMOUNT \$4,000,000.00	COMMENT
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**TOTAL
DEDICATED
ALLOWANCE:** \$0.00

COST ESTIMATE: \$44,000,000.00

Track Record / Monitor

EXPLANATION: N/A - Information will be provided upon contract award recommendation.

**MINIMUM
QUALIFICATIONS
EXCEED LEGAL
REQUIREMENTS:**

Yes Minimum Experience and Qualifications
Prime Consultants must be experienced in all phases of wastewater engineering, including design, permitting, construction, and operation and maintenance of wastewater collection and transmission systems.

Prime Consultants should have experience with design and commissioning of wastewater collection and transmission system upgrades of similar scope and complexity within the last ten (10) years from the date of this solicitation. The Prime Consultants shall provide a list of members of the proposed Design Team, identifying the overall Design Manager(s), and the team leaders for key design specialties (civil, structural, mechanical, electrical and instrumentation) and the specific role each one of them will perform.

Prime Consultants shall have designed and constructed new or upgraded wastewater collection pipeline and pump stations that include small diameter pipelines (4 to 24-inch diameter), local pump stations (50 to 2000 gallons per minute), and successfully designed and constructed at least one (1) major pipeline at a minimum 54-inch diameter or larger and a regional pump station of a minimum 40 million gallons per day or larger with 100 horse power or more, in which the Prime Consultant has served as the designer within the past ten (10) years from the date of solicitation.

For projects which the Prime Consultant has served as the design consultant, the Prime Consultant shall provide the name and contact information for a Utility Executive with the

Utility they served as the design consultant who can confirm their role. The descriptions shall include the client (i.e., municipality or agency), key project staff, the project name, a summary of the work performed, the contract amount, the schedule (to include start and completion dates), the specific role of the Prime firm, the achievements (e.g., projects delivered on schedule, dollars saved, innovative designs implemented, new technology utilized), and a client reference and contact information.

The Subconsultants shall provide a description of at least one (1) program or project that is relevant to this scope of work within the past ten (10) years from the date of this solicitation specific to their proposed responsibilities. The descriptions shall include the client (i.e., municipality or agency), key project staff, a summary of the work performed, the contract amount, the schedule (to include start and completion dates), the specific role of the Subconsultant firm, the project's achievements, client reference and contact information.

**REVIEW
COMMITTEE:**

MEETING DATE: 10/8/2013 **SIGNOFF DATE:** 10/24/2013

**APPLICABLE
WAGES:
(RESOLUTION
No. R-54-10)**

Yes

**REVIEW
COMMITTEE
ASSIGNED
CONTRACT
MEASURES:**

TYPE **GOAL**
CBE 30.00%

COMMENT
Per Administrative Order 3-32

**MANDATORY
CLEARING
HOUSE:**

Yes

**CONTRACT
MANAGER NAME
/ PHONE / EMAIL:**

Patty David 786-552-8040 pattyd@miamidade.gov

**PROJECT
MANAGER NAME
/ PHONE / EMAIL:**

Daniel Edwards 786-552-8354 djedw01@miamidade.gov

Background

BACKGROUND:

DEPARTMENT SELECTION COMMITTEE RECOMMENDATIONS:

<u>COMMITTEE MEMBER & TITLE</u>	<u>YEAR HIRED</u>	<u>GENDER / ETHNICITY</u>	<u>EDUCATION</u>	<u>PROFESSIONAL LICENSES</u>
Daniel Mathews, Acting Chief, Water Transmission. (Technical Advisor)	1977	Male/White	High School	Water Distribution Level 2
Daniel Edwards, Master Planning Section Head (Committee Member)	1997	Male/White	Bachelor of Science Civil Engineer	Professional Engineer
Alberto Galambos, Chief, Pump Station (Alternate)	1972	Male/Hispanic	High School	Plumbing Contractor

DEPARTMENT
FINANCE:


DEPT. FINANCE
OFFICER

1/28/14
DATE

INDEX CODES:

BUDGET
APPROVAL
FUNDS
AVAILABLE:


OMB DIRECTOR

2/3/14
DATE


MAYOR

DATE

CLERK DATE

DATE

REQUEST TO ADVERTISE
DESIGN SERVICES FOR WASTEWATER COLLECTION AND TRANSMISSION SYSTEMS
RELATED TO CONSENT DECREE PROJECTS
PROJECT NO. E13-WASD-04

BUDGET PROJECT AND
DESCRIPTION:

968150- WASTEWATER COLLECTION AND
TRANSMISSION LINES - CONSENT

ASSISTANT DIRECTOR,
WASTEWATER:



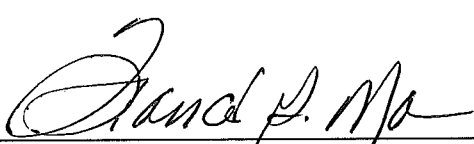
RALPH TERRERO, P.E. 1/28/14
DATE

DEPUTY DIRECTOR,
CAPITAL IMPROVEMENT
REGULATORY COMPLIANCE



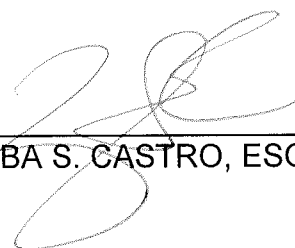
JUAN CARLOS ARTEAGA 01/28/14
DATE

ASSISTANT DIRECTOR,
FINANCE



FRANCES G. MORRIS 1/28/14
DATE

ASSISTANT DIRECTOR,
LEGISLATIVE & MUNICIPAL
AFFAIRS



ZABA S. CASTRO, ESQ. 1/28/14
DATE



Small Business Development Division Project Worksheet

Project/Contract Title: DESIGN SERVICES FOR WASTEWATER COLLECTION AND TRANSMISSION SYSTEMS RELATED TO THE CONSENT DECREE PROJECTS
Project/Contract No: E13-WASD-04
Department: WATER & SEWER DEPARTMENT
Estimated Cost of Project/Bid: \$0.00

Received Date: 10/08/2013

Funding Source:
VARIOUS

Resubmittal Date(s):

Description of Project/Bid: To establish a Profession Services Agreement to provide professional engineering services for wastewater collection and transmission systems related Consent Decree project; to include but limited to preliminary design, design, permitting and bid services, and design services during construction for upgrades to the wastewater collection and transmission system (WCTS).

Contract Measures Recommendation

<u>Measure</u>	<u>Program</u>	<u>Goal Percent</u>
Goal	CBE	30.00%

Reasons for Recommendation

This project meets all the criteria set forth in I.O. # 3-32, Section V.

WASD recommended a 22% CBE goal; via a poll, SBD acquired enough responses to make a counter-recommendation a 30% CBE Goal.

SIC 871 - Architectural and Engineering Services.

Technical Category: 0601-W & S Sewer Sys-Water Dist & Sanitary Sewage Coll; 0602-W & S Sewer Sys-Major Water & Sewer Pumping Facili; 0901-Drilling Subsurface Investigations & Seismographic; 0902-Geotechnical & Materials Engineering Services; 0904-Non-Destructive Testing And Inspections; 1005-Environmental Eng-Contamination Assess & Monitor; 1100-General Structural Engineering; 1200-General Mechanical Engineering; 1300-General Electrical Engineering; 1501-Surveying And Mapping-Land Surveying; 1600-General Civil Engineering

Small Business Contract Measure Recommendation

<u>Subtrade</u>	<u>Cat.</u>	<u>Estimated Value</u>	<u>% of Items to Base Bid</u>	<u>Availability</u>
W & S SEWER SYS-WATER DIST & SANITARY SEWAGE COLL	CBE		5.00%	
W & S SEWER SYS-MAJOR WATER & SEWER PUMPING FACILI	CBE		5.00%	
GENERAL CIVIL ENGINEERING	CBE		5.00%	
GENERAL MECHANICAL ENGINEERING	CBE		5.00%	
GENERAL ELECTRICAL ENGINEERING	CBE		5.00%	
GENERAL STRUCTURAL ENGINEERING	CBE		5.00%	
Total			30.00%	

Living Wages: YES ☐ NO ☒

Responsible Wages: YES ☐ NO ☒

Responsible Wages and Benefits applies to all construction projects over \$100,000 that do not utilize federal fund. For federally funded projects, unless prohibited by federal or state law or disallowed by a governmental funding source, the HIGHER wage between Davis Bacon and Responsible Wages and Benefits shall apply.



Small Business Development Division
Project Worksheet

Project/Contract Title: DESIGN SERVICES FOR WASTEWATER COLLECTION AND
TRANSMISSION SYSTEMS RELATED TO THE CONSENT DECREE
PROJECTS
Project/Contract No: E13-WASD-04
Department: WATER & SEWER DEPARTMENT
Estimated Cost of Project/Bid: \$0.00

Received Date: 10/08/2013

Funding Source:
VARIOUS

Resubmittal Date(s):

REVIEW RECOMMENDATION

Tier 1 Set Aside		Tier 2 Set Aside	
Set Aside	Level 1	Level 2	Level 3
Trade Set Aside (MCC)		Goal	Bid Preference
No Measure		Deferred	Selection Factor
CWP			

SBD Director

Date

FY 2013 - 14 Adopted Budget and Multi-Year Capital Plan

UPGRADE OF MIAMI SPRINGS PUMP STATIONS - GENERAL OBLIGATION BONDS (GOB)

PROJECT #: 967730

DESCRIPTION: Upgrade electrical control panels, pumps and proprietary SCADA system

LOCATION: Various Sites
Various Sites

District Located: 6

District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
BBC GOB Financing	0	71	200	0	0	0	0	0	271
BBC GOB Series 2008B-1	559	0	0	0	0	0	0	0	559
BBC GOB Series 2011A	8	0	0	0	0	0	0	0	8
TOTAL REVENUES:	567	71	200	0	0	0	0	0	838
EXPENDITURE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Construction	567	71	200	0	0	0	0	0	838
TOTAL EXPENDITURES:	567	71	200	0	0	0	0	0	838

WASTEWATER COLLECTION AND TRANSMISSION LINES - CONSENT

PROJECT #: 968150

DESCRIPTION: Design, construct, and rehabilitate collection and transmission infrastructure lines to comply with EPA Consent Decree

LOCATION: Various Sites
Throughout Miami-Dade County

District Located: Countywide
District(s) Served: Countywide

REVENUE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Wastewater Connection Charges	40,919	1,151	1,276	0	0	0	0	0	43,346
Wastewater Renewal Fund	5,321	0	0	0	0	0	0	0	5,321
Future WASD Revenue Bonds	0	0	24,986	78,787	97,169	36,557	25,786	79,174	342,459
WASD 2013 Revenue Bond	22,355	0	0	0	0	0	0	0	22,355
WASD Revenue Bonds Sold	56,661	0	0	0	0	0	0	0	56,661
TOTAL REVENUES:	125,256	1,151	26,262	78,787	97,169	36,557	25,786	79,174	470,142
EXPENDITURE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Planning and Design	7,922	3,131	3,134	8,379	9,474	3,564	2,514	7,720	45,838
Construction	73,338	28,982	29,007	77,562	87,696	32,993	23,272	71,454	424,304
TOTAL EXPENDITURES:	81,260	32,113	32,141	85,941	97,170	36,557	25,786	79,174	470,142

WASTEWATER PIPES AND INFRASTRUCTURE PROJECTS

PROJECT #: 968750

DESCRIPTION: Replace and install new pipelines in areas requiring service improvements

LOCATION: Various Sites
Various Sites

District Located: Systemwide
District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Wastewater Renewal Fund	16,250	3,000	3,000	3,000	3,000	3,000	3,000	0	34,250
WASD Revenue Bonds Sold	1,642	0	0	0	0	0	0	0	1,642
TOTAL REVENUES:	17,892	3,000	3,000	3,000	3,000	3,000	3,000	0	35,892
EXPENDITURE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Planning and Design	2,859	479	479	479	479	479	480	0	5,734
Construction	15,033	2,521	2,521	2,521	2,521	2,521	2,520	0	30,158
TOTAL EXPENDITURES:	17,892	3,000	3,000	3,000	3,000	3,000	3,000	0	35,892

Department: Water and Sewer

1/27/2014 12:09:40 PM

BUDGET PROJECT 968150 - (As per 2013-2014 Approved Budget)

Project Title: 968150-WASTEWATER COLLECTION AND TRANSMISSION
 LINES - CONSENT
 Project Desc: Design, construct, and rehabilitate collection and transmission
 infrastructure lines to comply with EPA Consent Decree

CDP Project Revenue

CDP Revenue:	Prior:	10-11:	11-12:	12-13:	13-14:	14-15:	15-16:	FUTURE:	Total:
Future WASH Revenue B	0	0	0	0	0	24,986,000	78,787,000	238,686,000	342,459,000
Future Wastewater Rev	0	0	0	0	0	0	0	0	0
WASH 2013 Revenue Bon	0	0	0	22,355,000	0	0	0	0	22,355,000
WASH Revenue Bonds So	0	0	56,661,000	0	0	0	0	0	56,661,000
Wastewater Connection	0	0	38,919,000	2,000,000	1,151,000	1,276,000	0	0	43,346,000
Wastewater Renewal Fu	0	0	4,448,000	873,000	0	0	0	0	5,321,000

CIIS Site Funding Info

SITE Location/Desc:	Prior:	10-11:	11-12:	12-13:	13-14:	14-15:	15-16:	FUTURE:	Total:
77288 - Various Transmission and Collection Lines	0	0	100,028,000	25,228,000	1,151,000	26,262,000	78,787,000	238,686,000	470,142,000

Desc: Consent Decree infrastructure projects at various collection and transmission lines

	05-06:	06-07:	07-08:	08-09:	09-10:	10-11:	11-12:	12-13:	13-14:	14-15:	15-16:	16-17:	17-18:	18-19:	19-20:	20-21:	21-22:	22-23:	23-24:	Total:
CIIS Proposed RV:	4	0	0	0	0	0	92,845,000	2,000,000	26,517,000	26,262,000	78,787,000	97,169,000	36,557,000	25,786,000	79,174,000	0	0	0	0	465,097,000.00
CIIS Proposed MS:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00

CIIS Proposed Book Report

PROJECT REPORT 4

EXIT

Current Contracts for Project 968150

Dept	ContractNo	Contract Name	RTA / MCC Award / MCC Estimated Allocation	Award Allocation	CIIS Award
WS	<u>DB12-WASHD-01</u>	Design-Build Services for the replacement of the existing 54-inch sanitary sewage force main pipeline from the Central District Wastewater Treatment Plant to Fisher Island under, Norris Cut Channel	\$0.00	\$0.00	\$14,834,170.32
WS	<u>E13-WASHD-01</u>	Program and Construction Management Services related to the Wastewater System Priority Projects	\$9,370,000.00	\$0.00	\$0.00
WS	<u>E13-WASHD-01-R</u>	Program and Construction Management Services related to the Wastewater System Priority Projects	\$9,370,000.00	\$0.00	\$0.00
WS	<u>E13-WASHD-04</u>	<u>Design Services for Wastewater Collection and Transmission Systems related to Consent Decree Projects</u>	<u>\$44,000,000.00</u>	<u>\$0.00</u>	<u>\$0.00</u>

Total Allocated: \$62,740,000.00 \$0.00

There are no Contracts for Sites of Project 968150

[Search for Site Number](#)

[Search for Budget Project Number](#)

Memorandum



Date: January 30, 2014

To: Carlos A. Gimenez
County Mayor

From: John W. Renfrow, P.E.
Director
Water and Sewer

A handwritten signature in black ink, appearing to read "John W. Renfrow".

Subject: Request to Advertise for Design Services for Wastewater Treatment Plants related to Consent Decree Projects - Project No: E13-WASD-05

Recommendation

This request to advertise for a Non-Exclusive Professional Services Agreement for Design Services for Wastewater Treatment Plants related to Consent Decree Projects has been prepared by the Water and Sewer Department (WASD) and is recommended for approval pursuant to Section 2-8.1 of the Code of Miami-Dade County.

Scope

PROJECT NAME: Design Services for Wastewater Treatment Plants related to Consent Decree Projects

PROJECT NO: E13-WASD-05

CONTRACT NO: E13-WASD-05

PROJECT

DESCRIPTION: WASD is the primary provider of water and wastewater services to Miami-Dade County serving a population of almost 2.3 million, making it among the largest water/wastewater utilities in the United States. On May 21, 2013, the Board of County Commissioners approved the Consent Decree (CD) negotiated with the United States Environmental Protection Agency (EPA), the United States Department of Justice (DOJ) and the State of Florida Department of Environmental Protection (FDEP). The CD outlines the activities to be undertaken to reduce Sanitary Sewer Overflows (SSO's), exceedances of treated effluent limitations, and to ensure proper management, operation and maintenance practices. All capital improvement projects must be completed on or before fifteen (15) years from the date of lodging (June 6, 2013) of the CD with the United States District Court. Many program requirements are required to be delivered within a certain time after the CD's "effective date", which is defined as the date the Court enters the CD or six (6) months after the date of lodging, whichever occurs first. WASD recognizes the need for design services at the wastewater treatment plants as part of the capital improvement program. The Consultant shall be familiar with and comply with the requirements of the CD which is available for review at WASD's website at: <http://www.miamidade.gov/water/wastewater-improvement-projects.asp>.

The Consultant shall perform preliminary design, design development, construction

documents, permitting and bid services, and design services during construction for upgrades at all three (3) of the County's wastewater treatment plants (South District, Central District and North District) for projects specified in conjunction with the CD and attached as an appendix to this solicitation.

The Consultant selected will be required to work in coordination with WASD staff to deliver an integrated construction approach and schedule that does not adversely impact wastewater treatment plants (WWTP) operations, treatment capacity, or effluent quality. The Consultant shall ensure that the design of the capital improvements are technically, economically, and functionally consistent and are implemented in a manner that meets the specific deadlines and milestones of the CD and the requirements of the Clean Water Act, WASD's National Pollutant Discharge Elimination System Permits, FDEP regulations, and any additional applicable regulatory requirements.

Design services to be provided by the Consultant will include, but are not limited to, the following:

1. Develop the Basis of Design Reports (BODR) for the capital program at the WWTP's, while taking into account all project alternatives using life cycle cost analysis and vulnerability of the facilities to climate change impacts, such as sea level rise, storm surge, wind, and flooding; as well as, recommending mitigation options for these impacts.
2. Use of Building Information Modeling Technology 3D, 4D and 5D modeling.
3. Perform wastewater treatment process modeling and computational fluid dynamic modeling in support of design efforts.
4. Conduct and/or coordinate underground utility and sub-surface investigations in support of the BODR.
5. Perform pilot testing as necessary to confirm specific design parameters.
6. Based on the Department's approved BODR and delivery method (i.e. Design-Bid-Build, Design-Build) the Consultant will prepare the required bid documents.
7. Assist WASD in evaluating procurement methods for equipment.
8. Attain all applicable permits as necessary depending on the delivery method selected.
9. Assist WASD in the bid process, including responding to Requests for Information (RFI's), reviewing bids and making recommendations for award.
10. Provide design services during construction including but not limited to reviewing and responding to all contractor submittals, review and respond to all contractor claims, review and respond to RFI's and review of final certification documents provided by the contractor.

PROJECT LOCATION: Throughout Miami-Dade County
PRIMARY COMMISSION DISTRICT: Various Districts
APPROVAL PATH: Mayor's Authority
ISD A&E PROJECT NUMBER: E13-WASD-05
USING DEPARTMENT: Water and Sewer
MANAGING DEPARTMENT: Water and Sewer

Fiscal Impact / Funding Source

FUNDING SOURCE: Future WASD Revenue Bonds
 WASD 2013 Revenue Bonds
 WASD Revenue Bonds Sold

PTP FUNDING: No

GOB FUNDING: No

ARRA FUNDING: No

CAPITAL BUDGET PROJECT:	CAPITAL BUDGET PROJECT # - DESCRIPTION	<u>RTA ESTIMATE</u>
	964120- WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	\$66,000,000.00
	Book Page: Book Page 119:Adopted Capital Budget Book Funding Year: Funding Year: 2013-2019	

PROJECT TECHNICAL CERTIFICATION REQUIREMENTS:

<u>TYPE</u>	<u>CODE</u>	<u>DESCRIPTION</u>
Prime	6.02	WATER AND SANITARY SEWER SYSTEMS - MAJOR WATER AND SANITARY SEWAGE PUMPING FACILITIES
Prime	6.03	WATER AND SANITARY SEWER SYSTEMS - WATER AND SANITARY SEWAGE TREATMENT PLANTS
Other	9.01	SOILS, FOUNDATIONS AND MATERIALS TESTING -

		DRILLING, SUBSURFACE INVESTIGATIONS AND SEISMOGRAPHIC SERVICES
Other	9.02	SOILS, FOUNDATIONS AND MATERIALS TESTING - GEOTECHNICAL AND MATERIALS ENGINEERING SERVICES
Other	9.04	SOILS, FOUNDATIONS AND MATERIALS TESTING - NON-DESTRUCTIVE TESTING AND INSPECTIONS
Other	10.05	ENVIRONMENTAL ENGINEERING - CONTAMINATION ASSESSMENT AND MONITORING
Other	11.00	GENERAL STRUCTURAL ENGINEERING
Other	12.00	GENERAL MECHANICAL ENGINEERING
Other	13.00	GENERAL ELECTRICAL ENGINEERING
Other	15.01	SURVEYING AND MAPPING - LAND SURVEYING
Other	16.00	GENERAL CIVIL ENGINEERING

SUSTAINABLE BUILDINGS ORDINANCE:
(I.O NO. 8-8)

Does the project qualify for compliance with the Sustainable Buildings Ordinance? Not Sure

TOTAL ESTIMATED CONTRACT PERIOD:

1825 Calendar Days.

Excludes Warranty Administration Period

IG FEE INCLUDED IN BASE CONTRACT:

Yes

ART IN PUBLIC PLACES:

No

BASE ESTIMATE: \$60,000,000.00

OPTION TO EXTEND:	AMOUNT: DAYS: \$0.00 3650	EXTENSION COMMENT: The County Mayor or County Mayor's designee has the authority to extend this Professional Services Agreement duration for two (2) five (5) year option-to-renew.
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CONTINGENCY ALLOWANCE (SECTION 2-8.1 MIAMI DADE COUNTY CODE):	TYPE PERCENT AMOUNT COMMENT None 10% \$6,000,000.00
--	---

**TOTAL
DEDICATED
ALLOWANCE:** \$0.00

COST ESTIMATE: \$66,000,000.00

Track Record / Monitor

EXPLANATION: N/A - Information will be provided upon contract award recommendation.

**MINIMUM
QUALIFICATIONS
EXCEED LEGAL
REQUIREMENTS:** Yes A Prime Consultant submitting must be experienced in all phases of wastewater engineering, including design, permitting, construction, operation and maintenance of wastewater treatment and disposal systems.

The Prime Consultant should also have experience with design and commissioning of wastewater treatment plant upgrades of similar scope and complexity within the last ten (10) years from the date of this solicitation. The Prime Consultant shall provide a list of members of the proposed Design Team, identifying the overall Design Manager(s), and the team leaders for key design specialties (process-liquid stream treatment, process – biosolids treatment, civil, structural, mechanical, electrical and instrumentation) and the specific role each one of them will perform.

The Prime Consultant shall have at least one (1) successfully designed, constructed and currently operating major new or upgraded wastewater treatment plant(s) of similar size and scope as in this solicitation in which the Prime Consultant has served as the designer within the past ten (10) years from the date of solicitation. For projects which the Consultant has served as the design consultant, the Consultant shall provide the name and contact information for a Utility Executive with the Utility they served as the design consultant who can confirm their role. The descriptions shall include the client (i.e., municipality or agency), key project staff, the project name, a summary of the work performed, the contract amount, the schedule (to include start and completion dates), the specific role of the prime firm, the achievements (e.g., projects delivered on schedule, dollars saved, innovative designs implemented, new technology utilized), and a client reference and contact information. All work with WASD of a

similar nature should likewise be described to assure familiarity with WASD's system.

The Subconsultants shall have at least one (1) program or project that is relevant to this scope of work within the past ten (10) years from the date of this solicitation specific to their proposed responsibilities with the exception of technical categories 9.01-Drilling, Subsurface Investigations and Seismographic Services, 9.02-Geotechnical and Materials Engineering Services and 9.04-Non-Destructive Testing and Inspections. The descriptions shall include the client (i.e., municipality or agency), key project staff, a summary of the work performed, the contract amount, the schedule (to include start and completion dates), the specific role of the subconsultant firm, the project's achievements, and client reference and contact information. All work with WASD of a similar nature should likewise be described to assure familiarity with WASD's system.

**REVIEW
COMMITTEE:**

MEETING DATE: 11/7/2013 **SIGNOFF DATE:** 11/20/2013

**APPLICABLE
WAGES:
(RESOLUTION No.
R-54-10)**

Yes

**REVIEW
COMMITTEE
ASSIGNED
CONTRACT
MEASURES:**

<u>TYPE</u>	<u>GOAL</u>	<u>COMMENT</u>
CBE	30.00%	Administrative Order 3-32

**MANDATORY
CLEARING
HOUSE:**

Yes

**CONTRACT
MANAGER NAME /
PHONE / EMAIL:**

Patty David

786-552-8040
pattyd@miamidade.gov

**PROJECT
MANAGER NAME /
PHONE / EMAIL:**

Manuel E.
Moncholi

786-552-8352
Memoch@miamidade.gov

Background

BACKGROUND:

DEPARTMENT SELECTION COMMITTEE RECOMMENDATIONS:

<u>COMMITTEE MEMBER & TITLE</u>	<u>YEAR HIRED</u>	<u>GENDER / ETHNICITY</u>	<u>EDUCATION</u>	<u>PROFESSIONAL LICENSES</u>
Manuel Moncholi, Engineer 2, Wastewater Treatment & Maintenance (Committee Member)	2004	Male/Hispanic	Bachelor of Engineering in Chemical Engineering, Masters of Science in Environmental Engineering, and Ph.D. Candidate in Civil Engineering	Professional Engineer
Isaac Smith, Manager Construction (Alternate)	1990	Male/Black	Bachelor of Science Mechanical Engineering	E.I.T.
Roberto Fergen, Chief, Wastewater Operations & Maintenance (Technical Advisor)	2009	Male/Caucasian	Bachelor of Science in Biology/Chemistry Masters of Science in Engineering	Professional Engineer Class A Wastewater Treatment Plant Operators

DEPARTMENT
FINANCE:


DEPT. FINANCE OFFICER

1/28/14
DATE

BUDGET
APPROVAL
FUNDS
AVAILABLE:


OMB DIRECTOR

2/3/14
DATE


MAYOR

DATE

CLERK DATE

DATE

REQUEST TO ADVERTISE
DESIGN SERVICES FOR WASTEWATER TREATMENT PLANTS RELATED TO CONSENT
DECREE PROJECTS
PROJECT NO. E13-WASD-05

BUDGET PROJECT AND
DESCRIPTION:

964120- WASTEWATER TREATMENT PLANTS -
CONSENT DECREE PROJECTS

ASSISTANT DIRECTOR,
WASTEWATER:




RALPH TERRERO, P.E. 1/28/14
DATE

DEPUTY DIRECTOR,
CAPITAL IMPROVEMENT
REGULATORY COMPLIANCE



JUAN CARLOS ARTEAGA 01/28/14
DATE

ASSISTANT DIRECTOR,
FINANCE



FRANCES G. MORRIS 1/28/14
DATE

ASSISTANT DIRECTOR,
LEGISLATIVE & MUNICIPAL
AFFAIRS



ZABA S. CASTRO, ESQ. 1/28/14
DATE

Appendix

Consent Decree Sewer Plant Projects

	Project No.	Project Name	Project End Date
South District WWTP	1.1	Headworks	2/23/2020
	1.2	Oxygen Production	9/13/2019
	1.3	Oxygenation Trains	11/16/2025
	1.4	Chlorine Building	6/1/2022
	1.5	Effluent Pump Station	4/7/2022
	1.6	Gravity Sludge Thickeners	9/24/2022
	1.7	Digesters and Control Buildings	10/28/2021
	1.8	Dewatering Facility	11/28/2019
	1.9	FOG Removal Facility	12/7/2017
	1.10	Odor Control	4/25/2023
	1.11	General Electrical	3/26/2021
	1.12	Chlorine Contact Chamber Structural	6/18/2021

Central District WWTP	2.1	Electrical Improvements	3/6/2020
	2.2	Building improvements	9/6/2017
	2.3	Headworks Plant 1	10/22/2017
	2.4	Headworks Plant 2	5/22/2018
	2.5	Oxygenation Trains Plant 1	4/15/2018
	2.6	Oxygenation Trains Plant 2	4/14/2022
	2.7	Secondary Clarifiers Plant 1	8/15/2026
	2.8	Secondary Clarifiers Plant 2	9/12/2023
	2.9	RS Pump Stations Plant 1	8/15/2026
	2.10	RS Pump Stations Plant 2	9/12/2023
	2.11	Effluent Pump Station	5/9/2020
	2.12	Sludge Thickeners Plant 1	4/23/2021
	2.13	Sludge Thickeners Plant 2	10/23/2019
	2.14	Digesters Plant 1	1/19/2026
	2.15	Digesters Plant 2	8/19/2022
	2.16	Dewatering Building	8/7/2021
	2.17	Chlorination Facilities	9/29/2017
	2.18	Odor Control Systems	7/9/2020
	2.19	Co-Gen Facility	3/31/2019
	2.20	Septage Unloading	6/3/2022
	2.21	Pump Station 1	10/23/2019
	2.22	Pump Station 2	10/22/2017
	2.24	Gas Monitoring	9/19/2017
	2.25	Ventilation Improvements	2/27/2025
	2.27	Oxygen Production	12/30/2019

North District WWTP	3.3	Oxygenation Trains	1/17/2024
	3.4	Oxygen Production	1/12/2024
	3.5	Secondary Clarifiers	8/24/2027
	3.6	Disinfection	9/9/2020
	3.7	Effluent Disposal	12/28/2021
	3.8	Plant Wide Electrical	8/20/2022
	3.9	Flood Mitigation	8/13/2017
	3.10	Yard Piping Replacement	12/4/2021



Small Business Development Division Project Worksheet

Project/Contract Title: DESIGN SERVICES FOR WASTEWATER TREATMENT PLANTS
RELATED TO THE CONSENT DECREE PROJECTS (SIC 871)
Project/Contract No: E13-WASD-05
Funding Source:
Department: WATER & SEWER DEPARTMENT
VARIOUS
Estimated Cost of Project/Bid: \$0.00
Resubmittal Date(s):
Description of Project/Bid: To establish a Professional Services Agreement (PSA) for the preliminary design, design development, construction documents, permitting and bid services during construction for upgrades at all three (3) of the County's wastewater treatment plants (South, Central, and North Districts).

Contract Measures Recommendation

<u>Measure</u>	<u>Program</u>	<u>Goal Percent</u>
Goal	CBE	30.00%

Reasons for Recommendation

This project meets all the criteria set forth in I.O. # 3-32, Section V.

Attempts were made at establishing a CBE Set-Aside; however, an insufficient availability meeting the minimum requirements for the prime precluded this. A recommendation of a 30% CBE Goal was established (WASD recommended a 25% CBE Goal).

SIC 871 - Architectural and Engineering Services

Technical Category: 0602-W & S Sewer Sys-Major Water & Sewer Pumping Facili; 0603-W & S Sewer Sys-W & S Sewage Treatment Plant; 1100-General Structural Engineering; 1200-General Mechanical Engineering; 1300-General Electrical Engineering; 1600-General Civil Engineering

Small Business Contract Measure Recommendation

<u>Subtrade</u>	<u>Cat.</u>	<u>Estimated Value</u>	<u>% of Items to Base Bid</u>	<u>Availability</u>
W & S SEWER SYS-MAJOR WATER & SEWER PUMPING FACILI	CBE		2.00%	
W & S SEWER SYS-W & S SEWAGE TREATMENT PLANT	CBE		8.00%	
GENERAL CIVIL ENGINEERING	CBE		5.00%	
GENERAL MECHANICAL ENGINEERING	CBE		5.00%	
GENERAL ELECTRICAL ENGINEERING	CBE		5.00%	
GENERAL STRUCTURAL ENGINEERING	CBE		5.00%	
Total			30.00%	

Living Wages: YES ☐ NO ☒

Responsible Wages: YES ☐ NO ☒

Responsible Wages and Benefits applies to all construction projects over \$100,000 that do not utilize federal fund. For federally funded projects, unless prohibited by federal or state law or disallowed by a governmental funding source, the HIGHER wage between Davis Bacon and Responsible Wages and Benefits shall apply.



Small Business Development Division
Project Worksheet

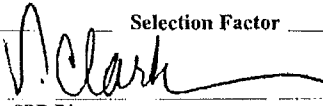
Project/Contract Title: DESIGN SERVICES FOR WASTEWATER TREATMENT PLANTS
RELATED TO THE CONSENT DECREE PROJECTS (SIC 871)
Project/Contract No: E13-WASD-05
Department: WATER & SEWER DEPARTMENT
Estimated Cost of Project/Bid: \$0.00

Received Date: 11/07/2013

Funding Source:
VARIOUS

Resubmittal Date(s):

REVIEW RECOMMENDATION			
Tier 1 Set Aside		Tier 2 Set Aside	
Set Aside	Level 1	Level 2	Level 3
Trade Set Aside (MCC)		Goal	Bid Preference
No Measure		Deferred	Selection Factor
CWP			


SBD Director

11/20/13
Date

FY 2013 - 14 Adopted Budget and Multi-Year Capital Plan

AUTOMATION OF WATER TREATMENT PLANTS

PROJECT #: 963110

DESCRIPTION: Construct facilities and install equipment to automate functions at water treatment plants
 LOCATION: Systemwide
 Various Sites

District Located: Systemwide
 District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Water Connection Charges	765	0	0	0	0	0	0	0	765
Future WASD Revenue Bonds	0	0	750	252	0	0	0	0	1,002
WASD 2013 Revenue Bond	750	0	0	0	0	0	0	0	750
WASD Revenue Bonds Sold	1,062	0	0	0	0	0	0	0	1,062
TOTAL REVENUES:	2,577	0	750	252	0	0	0	0	3,579
EXPENDITURE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Construction	1,827	750	750	252	0	0	0	0	3,579
TOTAL EXPENDITURES:	1,827	750	750	252	0	0	0	0	3,579

WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS

PROJECT #: 964120

DESCRIPTION: Design, construct, and rehabilitate infrastructure at wastewater treatment plants to comply with EPA Consent Decree

LOCATION: Various Sites
 Throughout Miami-Dade County

District Located: Countywide
 District(s) Served: Countywide

REVENUE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Future WASD Revenue Bonds	0	0	9,806	41,147	108,524	98,951	149,354	599,779	1,007,561
WASD 2013 Revenue Bond	8,404	0	0	0	0	0	0	0	8,404
WASD Revenue Bonds Sold	10,802	0	0	0	0	0	0	0	10,802
TOTAL REVENUES:	19,206	0	9,806	41,147	108,524	98,951	149,354	599,779	1,026,767
EXPENDITURE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Planning and Design	1,053	819	957	4,011	10,581	9,648	14,562	58,479	100,110
Construction	9,749	7,585	8,849	37,136	97,943	89,303	134,792	541,300	926,657
TOTAL EXPENDITURES:	10,802	8,404	9,806	41,147	108,524	98,951	149,354	599,779	1,026,767

Estimated Annual Operating Impact will begin in FY 2018-19 in the amount of \$50,000,000

NEEDS ASSESSMENTS PROJECTS - GENERAL OBLIGATION BONDS (GOB)

PROJECT #: 964350

DESCRIPTION: Construction of water and sewer enhancements including water mains, pipelines and sewer collection systems
 LOCATION: Various Sites
 Various Sites

District Located: Systemwide
 District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
BBC GOB Financing	595	4,029	6,754	4,026	4,028	2,790	3,882	0	26,104
BBC GOB Series 2005A	1,686	0	0	0	0	0	0	0	1,686
BBC GOB Series 2008B	1,504	0	0	0	0	0	0	0	1,504
BBC GOB Series 2008B-1	2,288	0	0	0	0	0	0	0	2,288
TOTAL REVENUES:	6,073	4,029	6,754	4,026	4,028	2,790	3,882	0	31,582
EXPENDITURE SCHEDULE:	PRIOR	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	FUTURE	TOTAL
Land/Building Acquisition	0	265	0	0	0	0	0	0	265
Planning and Design	1,937	405	164	13	0	0	0	0	2,519
Construction	4,136	2,958	6,516	4,013	4,028	2,790	3,882	0	28,323
Project Administration	0	401	74	0	0	0	0	0	475
TOTAL EXPENDITURES:	6,073	4,029	6,754	4,026	4,028	2,790	3,882	0	31,582

Department: Water and Sewer

1/27/2014 12:10:32 PM

BUDGET PROJECT 964120 - (As per 2013-2014 Approved Budget)

Project Title: 964120-WASTEWATER TREATMENT
PLANTS - CONSENT DECREE PROJECTS

Project Desc: Design, construct, and rehabilitate
infrastructure at wastewater treatment plants
to comply with EPA Consent Decree

CDP Project Revenue

CDP Revenue:	Prior:	<u>10-11:</u>	<u>11-12:</u>	<u>12-13:</u>	<u>13-14:</u>	<u>14-15:</u>	<u>15-16:</u>	<u>FUTURE:</u>	<u>Total:</u>
Future WASD Revenue B	0	0	0	0	0	9,806,000	41,147,000	956,608,000	1,007,561,000
WASD 2013 Revenue Bon	0	0	0	8,404,000	0	0	0	0	8,404,000
WASD Revenue Bonds So	<u>0</u>	<u>0</u>	<u>10,802,000</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>10,802,000</u>

CIIS Site Funding Info

SITE Location/Desc:	Prior:	<u>10-11:</u>	<u>11-12:</u>	<u>12-13:</u>	<u>13-14:</u>	<u>14-15:</u>	<u>15-16:</u>	<u>FUTURE:</u>	<u>Total:</u>
<u>77287</u> - Various Plants	0	0	10,802,000	8,404,000	0	9,806,000	41,147,000	956,608,000	1,026,767,000

Desc: Consent Decree infrastructure projects at various wastewater treatment plants.

	Recs:	<u>05-06:</u>	<u>06-07:</u>	<u>07-08:</u>	<u>08-09:</u>	<u>09-10:</u>	<u>10-11:</u>	<u>11-12:</u>	<u>12-13:</u>	<u>13-14:</u>	<u>14-15:</u>	<u>15-16:</u>	<u>16-17:</u>	<u>17-18:</u>	<u>18-19:</u>	<u>19-20:</u>	<u>20-21:</u>	<u>21-22:</u>	<u>22-23:</u>	<u>23-24:</u>	<u>Total:</u>
CIIS Proposed RV:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
CIIS Proposed MS:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00

PROJECT REPORT 4

EXIT

Current Contracts for Project 964120

Dept	ContractNo	Contract Name	RTA / MCC Award / MCC Estimated Allocation	Award Allocation	CIIS Award
WS	<u>E13-WASD-01</u>	Program and Construction Management Services related to the Wastewater System Priority	\$63,990,000.00	\$0.00	\$0.00

		Projects			
WS	<u>E13-WASD-01-R</u>	Program and Construction Management Services related to the Wastewater System Priority Projects	\$63,990,000.00	\$0.00	\$0.00
WS	<u>E13-WASD-05</u>	<u>Design Services for Wastewater Treatment Plants related to Consent Decree Projects</u>	<u>\$66,000,000.00</u>	<u>\$0.00</u>	<u>\$0.00</u>
		Total Allocated:	\$193,980,000.00	\$0.00	

There are no Contracts for Sites of Project
964120

Search for Site Number
Search for Budget Project Number

Date: January 30, 2014

To: Carlos A. Gimenez
County Mayor

From: John W. Renfrow, P.E.
Director
Water and Sewer



Subject: Request to Advertise for Consulting Services relating to Consent Decree's Capacity Management, Operation, and Maintenance Programs - Project No. E13-WASD-06

Recommendation

This request to advertise for a Non-Exclusive Professional Services Agreement for Consulting Services relating to the Consent Decree's Capacity Management, Operation, and Maintenance Programs has been prepared by the Water and Sewer Department (WASD) and is recommended for approval pursuant to Section 2-8.1 of the Code of Miami-Dade County.

Scope

PROJECT NAME: Consent Decree Capacity Management, Operation, and Maintenance Programs (CMOM).

PROJECT NO: E13-WASD-06

CONTRACT NO: E13-WASD-06

PROJECT DESCRIPTION: WASD is the primary provider of water and wastewater services to Miami-Dade County serving a population of almost 2.3 million, making it among the largest water/wastewater utilities in the United States. At the May 21, 2013, Board of County Commissioners meeting, the Board approved the Consent Decree (CD) negotiated with the United States Environmental Protection Agency (EPA), the United States Department of Justice (DOJ) and the State of Florida Department of Environmental Protection (FDEP). The CD outlines the activities to be undertaken to reduce Sanitary Sewer Overflows (SSO's), exceedances of treated effluent limitations, and to ensure proper management, operation and maintenance practices. All capital improvement projects must be completed on or before fifteen (15) years from the date of lodging of the CD with the United States District Court. Many program requirements are required to be delivered within a certain time after the CD's "effective date" which is defined as the date the Court enters the CD or six (6) months after the date of lodging (June 6, 2013), whichever occurs first. WASD has developed and continues to develop programs that are consistent with the EPA guidance Manual on CMOM. WASD recognizes the need for a CMOM consultant which will work closely with WASD to review, modify and develop these programs as required by the CD. The Consultant shall be familiar with and comply with the requirements of the

CD which is available for review at WASD's website at:
<http://www.miamidade.gov/water/wastewater-improvement-projects.asp>.

The Consultant shall work closely with WASD to review, modify and develop the following plans and programs as required by the CD:

1. Sewer Overflow Response Plan;
2. Information Management System Program;
3. Implementation of a Geographic Information System (GIS);
4. Sewer System Asset Management Program;
5. Gravity Sewer System Operation and Maintenance Program;
6. Pump Station Operations and Preventative Maintenance Program;
7. Force main Operations, Preventative Maintenance and Assessment/Rehabilitation Program;
8. Force main Criticality Assessment and Prioritization Program;
9. Force main Rehabilitation and Replacement Program;
10. Wastewater Treatment Plant Operations and Maintenance Program; and
11. The CMOM Programs will take into consideration the vulnerability of the facilities to climate change impacts, such as sea level rise, storm surge, wind, and flooding.

The Consultant shall ensure that the programs and plans are consistent with EPA Region IV guidance and are completed and submitted within the specific deadlines of the CD.

PROJECT LOCATION: Throughout Miami-Dade County

PRIMARY COMMISSION DISTRICT: Various Districts

APPROVAL PATH: Mayor's Authority

ISD A&E PROJECT NUMBER: E13-WASD-06

USING DEPARTMENT: Water and Sewer

MANAGING DEPARTMENT: Water and Sewer

Fiscal Impact / Funding Source

FUNDING SOURCE: This is not a capital project. The project will be funded from Operating Revenues; Fund: EW501, Operating and Maintenance Activity 810003 Account 721020 and Organization WS81001,

PTP FUNDING: No

GOB FUNDING: No

ARRA FUNDING: No

**PROJECT TECHNICAL
CERTIFICATION
REQUIREMENTS:**

TYPE CODE DESCRIPTION

Prime	6.01	WATER AND SANITARY SEWER SYSTEMS - WATER DISTRIBUTION AND SANITARY SEWAGE COLLECTION AND TRANSMISSION SYSTEMS
Prime	6.02	WATER AND SANITARY SEWER SYSTEMS - MAJOR WATER AND SANITARY SEWAGE PUMPING FACILITIES
Prime	6.03	WATER AND SANITARY SEWER SYSTEMS - WATER AND SANITARY SEWAGE TREATMENT PLANTS
Other	15.01	SURVEYING AND MAPPING - LAND SURVEYING

**SUSTAINABLE
BUILDINGS
ORDINANCE:
(I.O NO. 8-8)**

Does the project qualify for compliance with the Sustainable Buildings Ordinance? NO

**TOTAL ESTIMATED
CONTRACT PERIOD:**

1825 Calendar Days. Excludes Warranty Administration Period

**IG FEE INCLUDED IN
BASE CONTRACT:**

Yes

**ART IN PUBLIC
PLACES:**

No

BASE ESTIMATE:

\$15,000,000.00

OPTION TO EXTEND:

AMOUNT: DAYS:

EXTENSION COMMENT:

\$0.00 1825 The County Mayor or County Mayor's designee has the authority to extend the Professional Services Agreement for one (1) five (5) year option-to-renew.

**CONTINGENCY
ALLOWANCE
(SECTION 2-8.1 MIAMI
DADE COUNTY
CODE):**

TYPE	PERCENT	AMOUNT	COMMENT
PSA	10%	\$1,500,000.00	

**TOTAL DEDICATED
ALLOWANCE:**

\$0.00

COST ESTIMATE:

\$16,500,000.00

Track Record / Monitor

EXPLANATION: N/A - Information will be provided upon contract award recommendation.

**MINIMUM
QUALIFICATIONS
EXCEED LEGAL
REQUIREMENTS:**

Yes Minimum Experience and Qualifications

The Prime Consultant must be an engineering firm experienced in all phases of wastewater engineering with particular expertise on the operation and maintenance of wastewater treatment plants and collection and transmission systems.

The Prime Consultant should have at least one (1) successful CMOM program which they planned, implemented and managed for a major utility of similar size within the past ten (10) years from the date of solicitation. For projects which the Prime Consultant has served as the CMOM consultant, the Consultant shall provide the name and contact information for a Utility Executive with the Utility they served as the CMOM consultant who can confirm their role. The descriptions shall include the client (i.e., municipality or agency), key project staff, the project name, a summary of the work performed, the contract amount, the schedule (to include start and completion dates), the specific role of the prime firm, the achievements (e.g., programs delivered on schedule, innovative information management systems implemented, new technology utilized), and a client reference and contact information.

The Consultant's team should demonstrate their successful experience with assessment, implementation, and integration of information systems, in particular with WASD's enterprise portfolio. The current portfolio includes:

1. ESRI ArcGIS 10 – Geographic Information Systems
2. Infor EAM - Asset Management System
3. Proliance – Project Control and Tracking System
4. PeopleSoft – Enterprise Resource Planning

The Consultant's team should also be familiar with developing and implementing ESRI ArcGIS for water/wastewater utilities; be knowledgeable with ESRI geometric networks, and automatic GIS integration with hydraulic computer modeling software; and experience collecting utility asset information such as coordinate location (GPS), and other pertinent measurements.

The Prime Consultant shall provide a list of members of the proposed CMOM Team, identifying the overall Program Manager(s), and the team leaders for key deliverables and the specific role each one of them will perform.

The Subconsultants shall have at least one (1) program or project that is relevant to this scope of work within the past ten (10) years from the date of this solicitation specific to their proposed responsibilities. The descriptions shall include the client (i.e., municipality or agency), key project staff, a summary of the work performed, the contract amount,

the schedule (to include start and completion dates), the specific role of the Sub- Consultant firm, the project's achievements, and client reference and contact information.

REVIEW COMMITTEE: MEETING DATE: 10/14/2013 SIGNOFF DATE: 10/24/2013

APPLICABLE WAGES: Yes
(RESOLUTION No. R-54-10)

REVIEW COMMITTEE **TYPE** **GOAL** **COMMENT**
ASSIGNED CBE 32.00% Administrative Order 3-32
CONTRACT
MEASURES:

MANDATORY Yes
CLEARING HOUSE:


CONTRACT Patty David 786-552-8040 pattyd@miamidade.gov
MANAGER NAME /
PHONE / EMAIL:

PROJECT MANAGER Rodney J. 786-268-5025 RODLO@miamidade.gov
NAME / PHONE /
EMAIL: Lovett

DEPARTMENT SELECTION COMMITTEE RECOMMENDATIONS:


<u>COMMITTEE MEMBER & TITLE</u>	<u>YEAR HIRED</u>	<u>GENDER / ETHNICITY</u>	<u>EDUCATION</u>	<u>PROFESSIONAL LICENSES</u>
Rodney Lovett, Chief Sewer (Technical Advisor)	1989	Male/Caucasian	Associates in Arts	General Contractor
Lance Llewlyn, Assistant Superintendent, Wastewater (Committee Member)	1990	Male/Black/Hispanic	Bachelor in Business Management	
Angel Curbelo, Assistant Maintenance Superintendent (Alternate)	1978	Male/Hispanic	Bachelor of Arts, Management	Miami-Dade County Master Electrician (Certificate #199420012)

DEPARTMENT
FINANCE:



Frances G. Morris 1/28/14
DEPT. FINANCE OFFICER DATE

BUDGET
APPROVAL
FUNDS
AVAILABLE:



OMB DIRECTOR 2/3/14
DATE



MAYOR DATE

CLERK DATE


DATE

REQUEST TO ADVERTISE
Consulting Services relating to Consent Decree's Capacity Management,
Operation, and Maintenance Programs
PROJECT NO. E13-WASD-06

**BUDGET PROJECT AND
DESCRIPTION:**

This is not a capital project. The project will be funded from Operating Revenues: Fund: EW501, Operating and Maintenance Activity 810003 Account 721020 and Organization WS81001

**ASSISTANT DIRECTOR,
WASTEWATER:**




RALPH TERRERO, P.E. 1/28/14
DATE

**DEPUTY DIRECTOR,
CAPITAL IMPROVEMENT
REGULATORY COMPLIANCE**



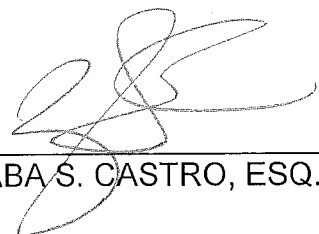
JUAN CARLOS ARTEAGA 01/28/14
DATE

**ASSISTANT DIRECTOR,
FINANCE**



FRANCES G. MORRIS 1/28/14
DATE

**ASSISTANT DIRECTOR,
LEGISLATIVE & MUNICIPAL
AFFAIRS**



ZABA S. CASTRO, ESQ. 1/28/14
DATE



Small Business Development Division
Project Worksheet

Project/Contract Title: CAPACITY MANAGEMENT, OPERATION, AND MAINTENANCE SERVICES RELATED TO THE CONSENT DECREE PROJECTS
Project/Contract No: E13-WASD-06
Department: WATER & SEWER DEPARTMENT
Estimated Cost of Project/Bid: \$0.00
Description of Project/Bid: To establish a professional services agreement requiring services from a qualified consultant for capacity management, operation, and maintenance services (CMOM) related to the Consent Decree Projects. The consultant shall work closely with WASD to review, modify and develop a number of plans and programs as required by the Consent Decree.

Received Date: 10/14/2013
Funding Source: OPERATING REVENUES
Resubmittal Date(s):

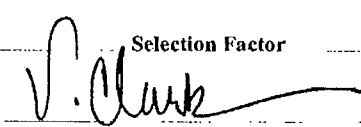
Contract Measures Recommendation		
Measure	Program	Goal Percent
Goal	CBE	32.00%

Reasons for Recommendation
This project meets all the criteria set forth in I.O. #3-32, Section V.
Based on the responses to a "Verification of Availability", SBD-RER concurs with the 32% CBE goal.
SIC 871 - Architectural and Engineering Services
Technical Category: 0601-W & S Sewer Sys-Water Dist & Sanitary Sewage Coll; 0602-W & S Sewer Sys-Major Water & Sewer Pumping Facili; 0603-W & S Sewer Sys-W & S Sewage Treatment Plant; 1501-Surveying And Mapping-Land Surveying

Small Business Contract Measure Recommendation				
Subtrade	Cat.	Estimated Value	% of Items to Base Bid	Availability
W & S SEWER SYS-WATER DIST & SANITARY SEWAGE COLL	CBE		10.00%	
SURVEYING AND MAPPING-LAND SURVEYING	CBE		2.00%	
W & S SEWER SYS-W & S SEWAGE TREATMENT PLANT	CBE		10.00%	
W & S SEWER SYS-MAJOR WATER & SEWER PUMPING FACILI	CBE		10.00%	
Total			32.00%	

Living Wages: YES ☐ NO ☒
Responsible Wages: YES ☐ NO ☒

Responsible Wages and Benefits applies to all construction projects over \$100,000 that do not utilize federal fund. For federally funded projects, unless prohibited by federal or state law or disallowed by a governmental funding source, the HIGHER wage between Davis Bacon and Responsible Wages and Benefits shall apply.

REVIEW RECOMMENDATION			
Tier 1 Set Aside	Tier 2 Set Aside		
Set Aside	Level 1	Level 2	Level 3
Trade Set Aside (MCC)	Goal	Bid Preference	
No Measure	Deferred	Selection Factor	
CWP			
		SBD Director	Date